

ABSTRACT

A core assembly for an ignition coil in an internal combustion engine generally includes an inner core comprising an I-shaped lamination and an outer core comprising a pair of opposing C-shaped lamination stacks. A joint is formed by an end of the I-shaped lamination stack and a pair of adjacent ends of the pair of C-shaped lamination stacks. The core assembly is designed in a manner which minimizes the waste material that is scrapped when forming the lamination stacks, as well as allows the inner lamination stack to be slid down along the inner periphery of the outer stack.